

ABSTRACT

An input bearing adjuster system includes a differential carrier assembly having a set of threads on an interior surface and an input bearing adjuster having a complementary set of threads on an exterior surface. The system also includes an input bearing system of a differential which includes an outer race in contact with the input bearing adjuster and an inner race in contact with an input shaft and an input bearing. Additionally, a locking mechanism is used to selectively secure the input bearing adjuster to the differential carrier. The threads of the bearing adjuster are engaged with the threads of the differential carrier to adjust both the preload and/or the endplay of the input bearing.